Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/23/2018 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125610	0	2.44	125598	2.46
Blue	F	SSC	125000	123816	-1	4.10	124638	4.17
Blue	E	FITC	15492	14974	-4	4.04	348	21.82
Blue	D	PE	28736	28243	-2	3.29	622	16.51
Blue	B	PerCP-Cy5-5	41413	40873	-2	4.86	1126	23.62
Blue	A	PE-Cy7	31321	31072	-1	7.39	565	49.02
Red	C	APC	41673	40737	-3	3.02	1577	13.03
Red	A	APC-Cy7	29962	29597	-2	2.89	757	14.04
Violet	B	V450	8318	7950	-5	4.61	438	15.14
Violet	A	V500	34199	33404	-3	4.38	799	11.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20494	4.17	610	-3	N/A	N/A	Pass
Blue	F	SSC	56049	3.57	577	9	N/A	N/A	Pass
Blue	E	FITC	57	78.03	559	-2	0.0170	262	Pass
Blue	D	PE	123	59.67	559	-1	0.1384	342	Pass
Blue	B	PerCP-Cy5-5	208	58.01	668	1	0.0070	68	Pass
Blue	A	PE-Cy7	110	121.86	723	1	0.0085	23	Pass
Red	C	APC	360	28.55	600	-1	0.0208	199	Pass
Red	A	APC-Cy7	187	30.81	576	0	0.0044	735	Pass
Violet	B	V450	65	70.23	473	-4	0.0363	1852	Pass
Violet	A	V500	113	37.44	491	-3	0.0208	933	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.75	-32.02	1.15
Blue	20.35	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.51
Red	17.35	13.60 - 20.40	N/A	N/A	28.94	29.72	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9976

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments